CTF 56
OPERATION IRAQI FREEDOM

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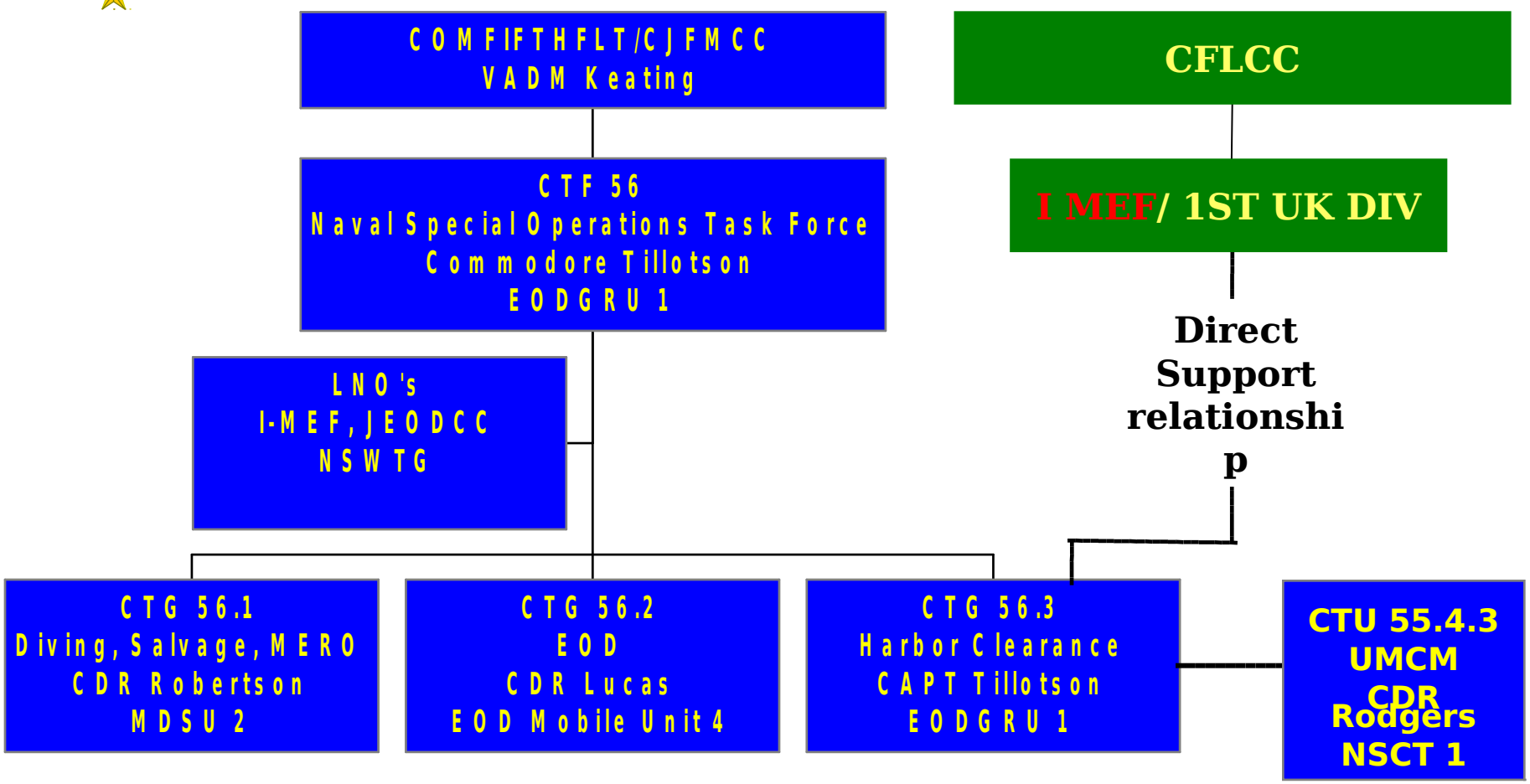
UNCLASSIFIED BRIEF

CTF 56 Mission

- **Enable Access** and **safety of combat forces** by detecting, evaluating, Rendering Safe, or disposing of UXO/WMD in the theater of war.

- Ensure **freedom of navigation** through designated SLOCS, SPODS, and Forward Logistics Support Sites with the conduct of timely and effective **expeditionary salvage**, harbor clearance, towing and light underwater **battle damage repair**. Establish a capability to conduct **MERO** in the northern Arabian gulf.

Task Force Organization



C2 ACROSS THE SEAMS; TACTICAL COMMUNICATIONS EARLY LIAISON

CFLCC Support

Road to Baghdad

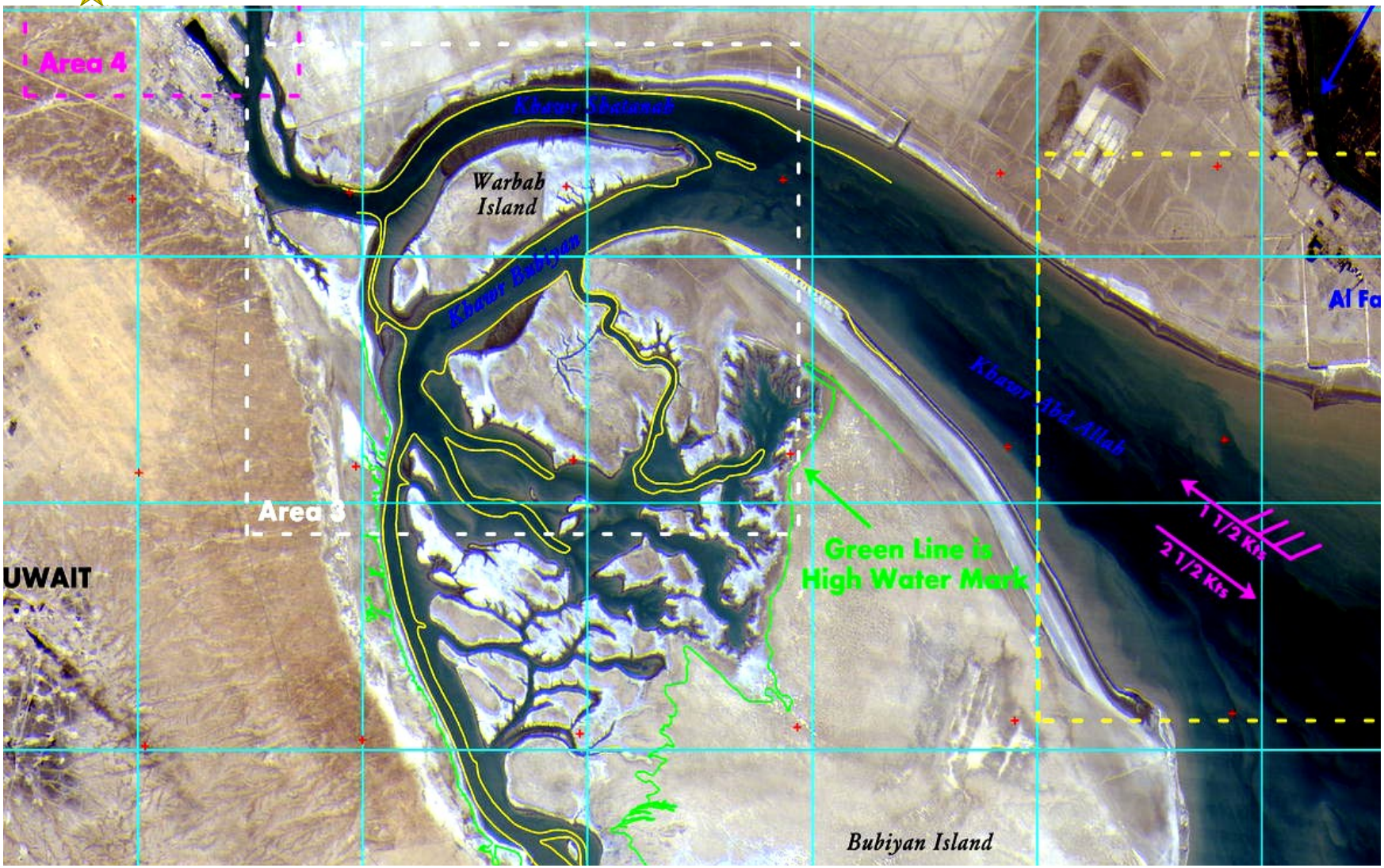
Restore Iraqi Oil Infrastructure

SOF Operations

TG 56.3

- **C2 of Coalition Forces Conducting Port, Harbor and River Clearance Operations.**
  - Enabled Access for Coalition Forces and Humanitarian Aid entering Iraq through the Khawr Abd Allah, Port of Umm Qasr, Khawr Az Zubayr and Port of Az Zubayr.
    - First operational use of:
      - **Unmanned Underwater Vehicles**
      - **UMCM Marine Mammals**

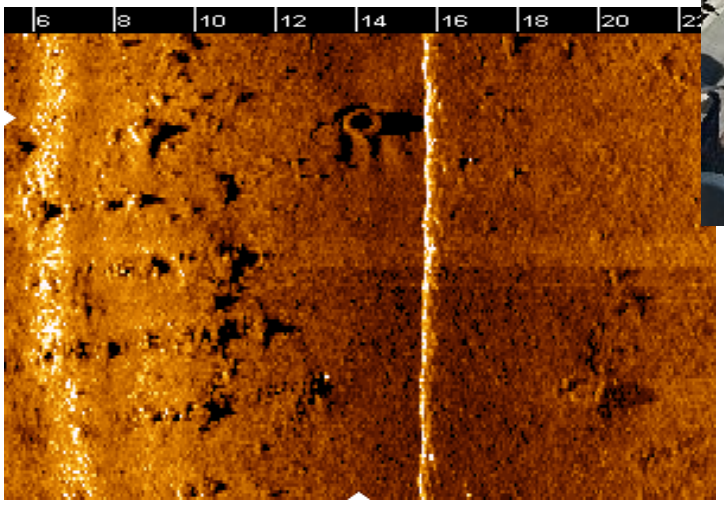
The Challenge



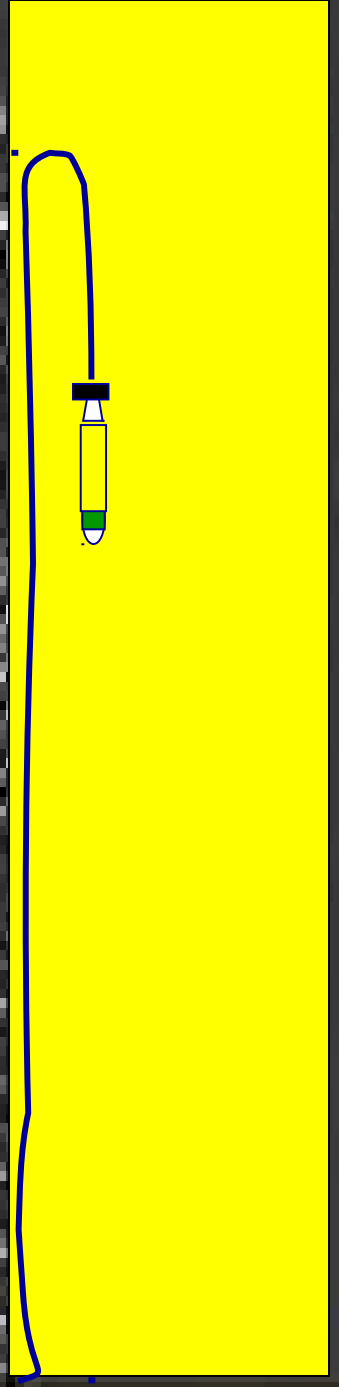
New Port
Old Port

Port Opening

Underwater Mine Countermeasures Operations, Umm Qasr



20 MH-53 lifts from USS Gunston Hall to Umm Qasr in first 3 days



First Sensor: UUV

UUV conducts exploratory mission to map bottom

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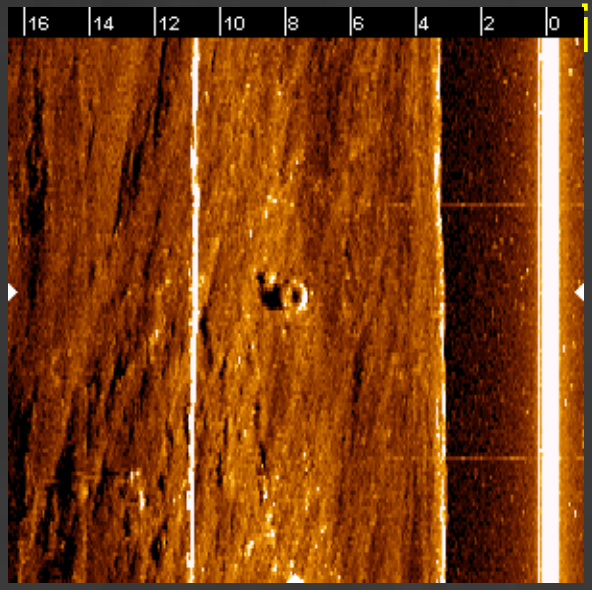
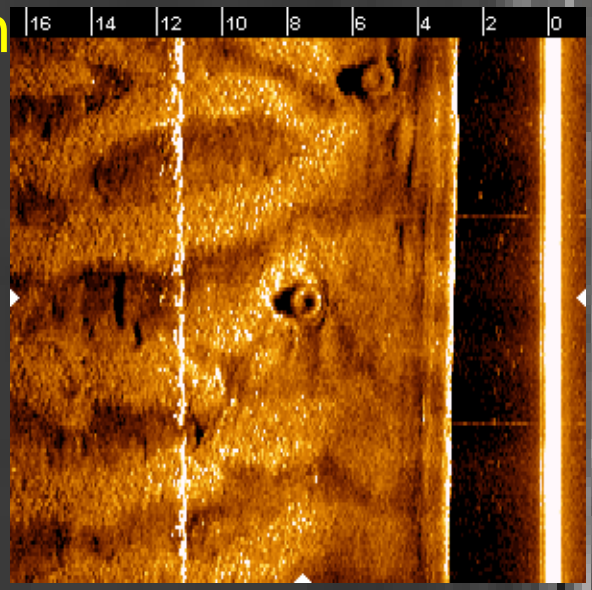
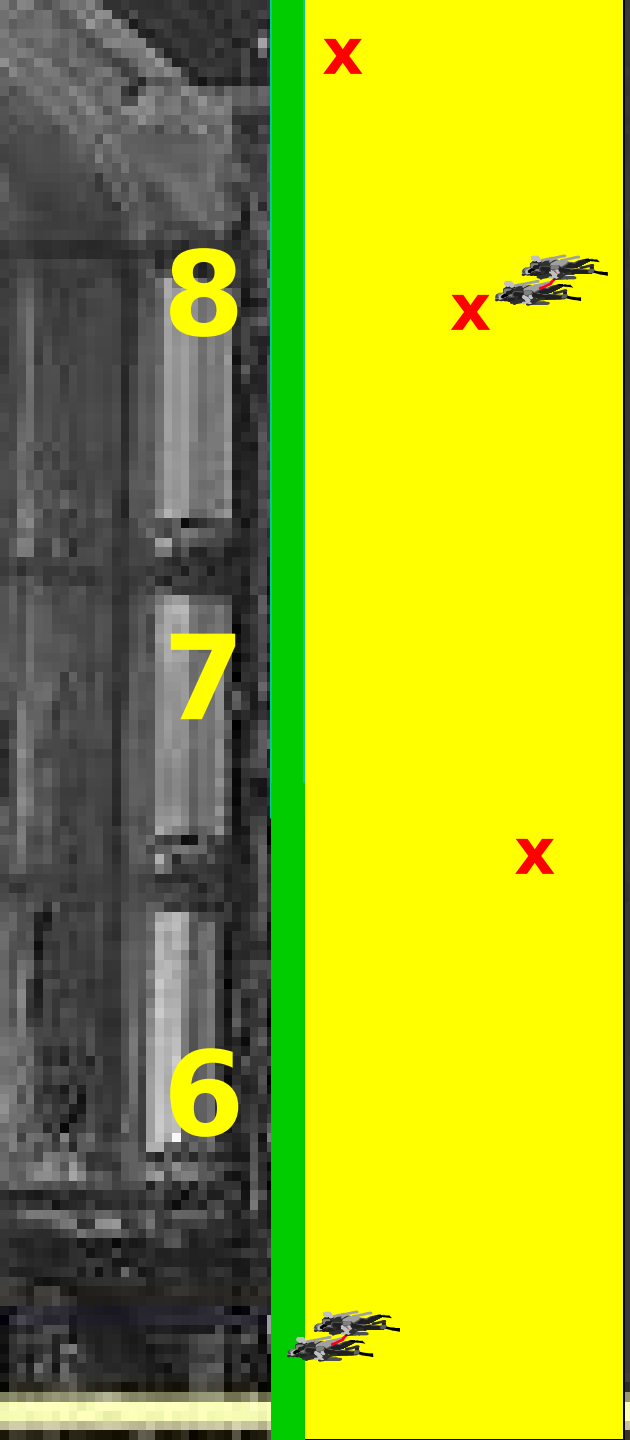
No coverage for buried in







Second Sensor: Divers

Divers complete tactile search of quay wall and out 5 yds, and reacquire UUV mine-like objects

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Divers conduct arm-thrust out from seawall to determine Mine Burial Zone (MBZ)

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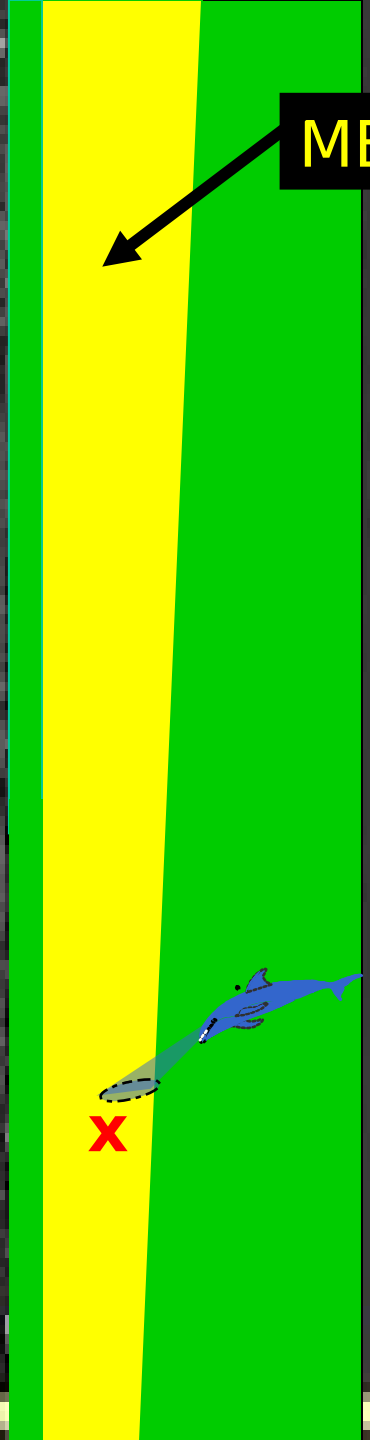
For mines/UXO found, decision to neutralize & move or blow in place made by CTF 56



Third Sensor: Dolphins

Dolphins complete search of Mine Burial Zone (MBZ), marking mine-like contacts

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Divers reacquire dolphin marks

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Neutralize/Countermine decision made by CTF 56

UMCM Totals for Ports

Umm Qasr:

Days: 14

Area: 1,650,000 m²

UUV Missions: 10

MMS Missions: 11

Dives: 100

CRNS: 73

Mines:

- in the water: 0

- ashore/on boats: 30

Az Zubayr

Days: 12

Area: 904,000 m²

UUV Missions: 3

MMS Missions: 7

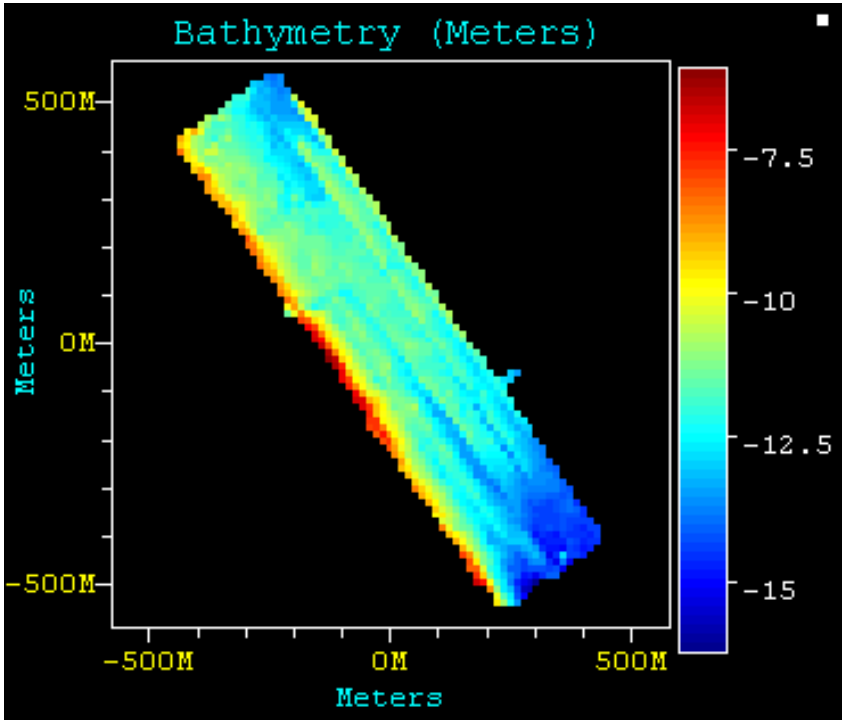
Dives: 14

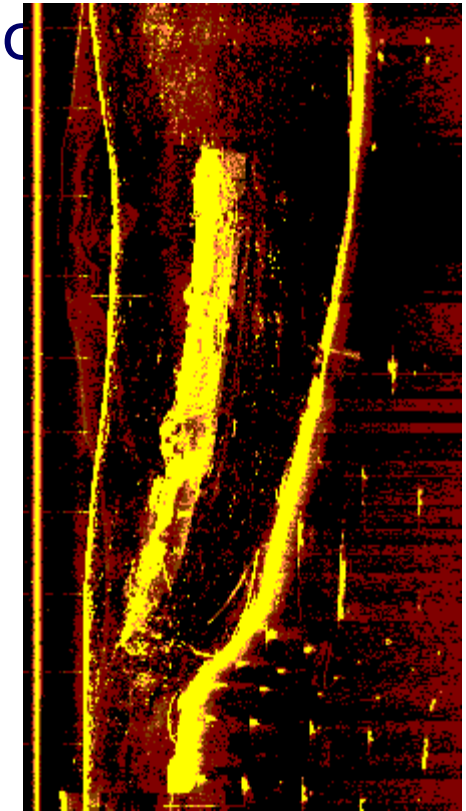
CRNS: 5

Mines: 0

UUV Significant Notes

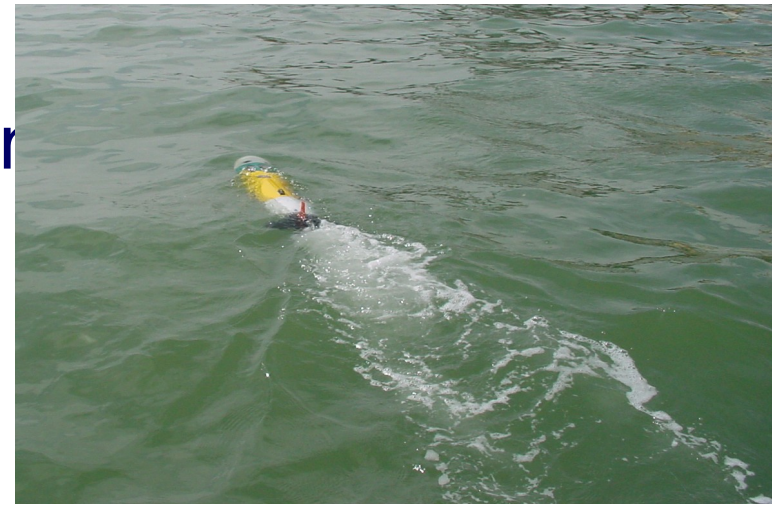
- UUV Equipment required only 3 out of 108 pallet spaces
- First UUV mission started within 2 hours of arrival.
- UUV's provide useful "by-produc





Required UUV Improvements

- Greater Range
  - Reduce dependency on transponders
  - OTH capability
- Buried mine capability (MMS)
- Obstacle avoidance capability (MMS)
- “Mosaic” capability for CATF/CLF
- Neutralization (MMS)
- Real-Time data transfer



MMS Significant Notes

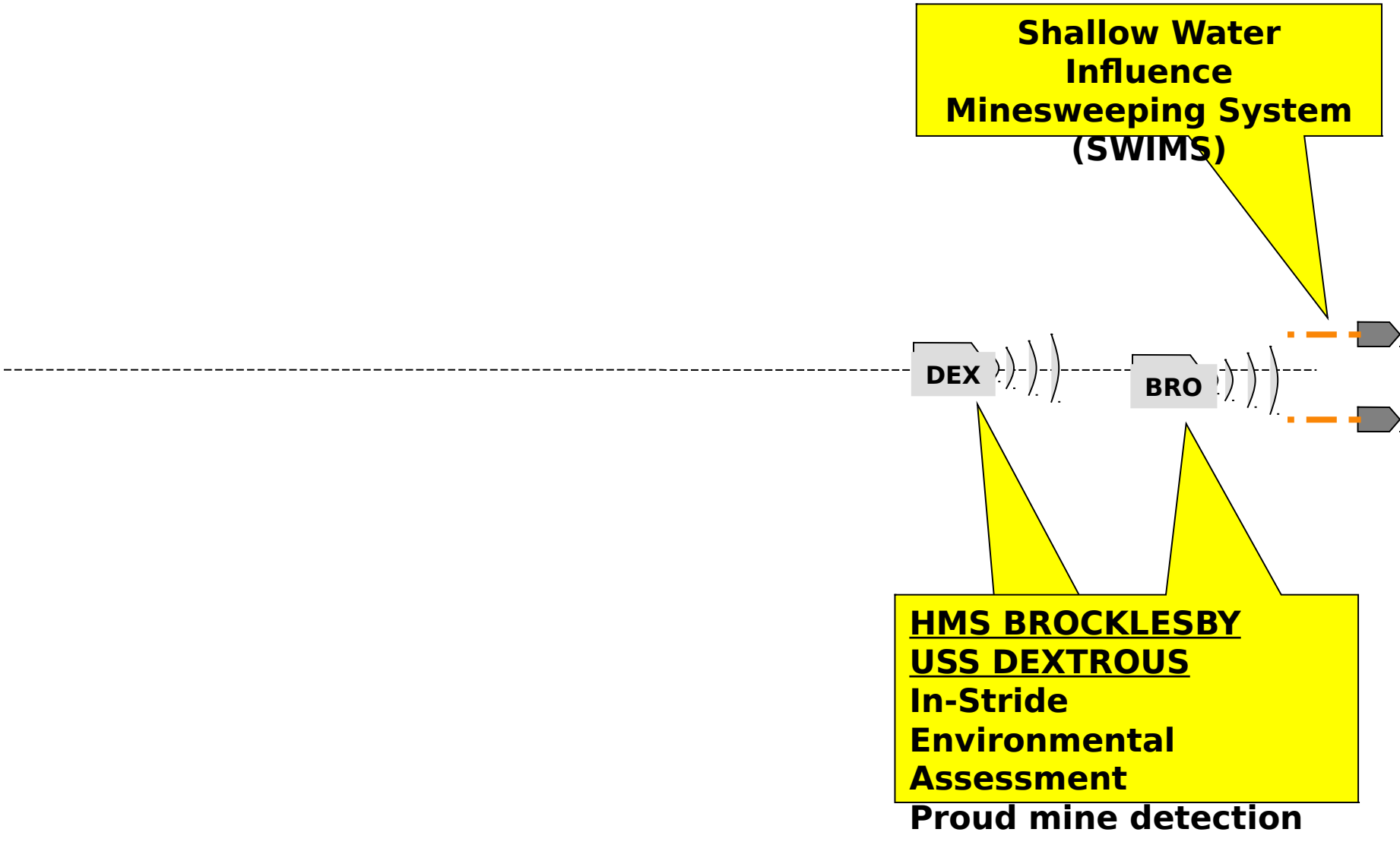
- Only capability for buried mines.
- Employed only in MBZ.
- Logistical requirements significantly more than Dive or UUV platoons.
- Requires acclimatization.
- Time required to search for buried mines.

MCM Forces in the KAA

AMCM in the KAA

- 2 Runs Ahead of SMCM
  - AN/AQS-14 Side Scan (volume)
  - MK 106 Combined Sweep
- AMCM escorted
  - High Boy = SH-60B
  - Low Boy = LYNX

SMCM Scheme of Maneuver in KAA



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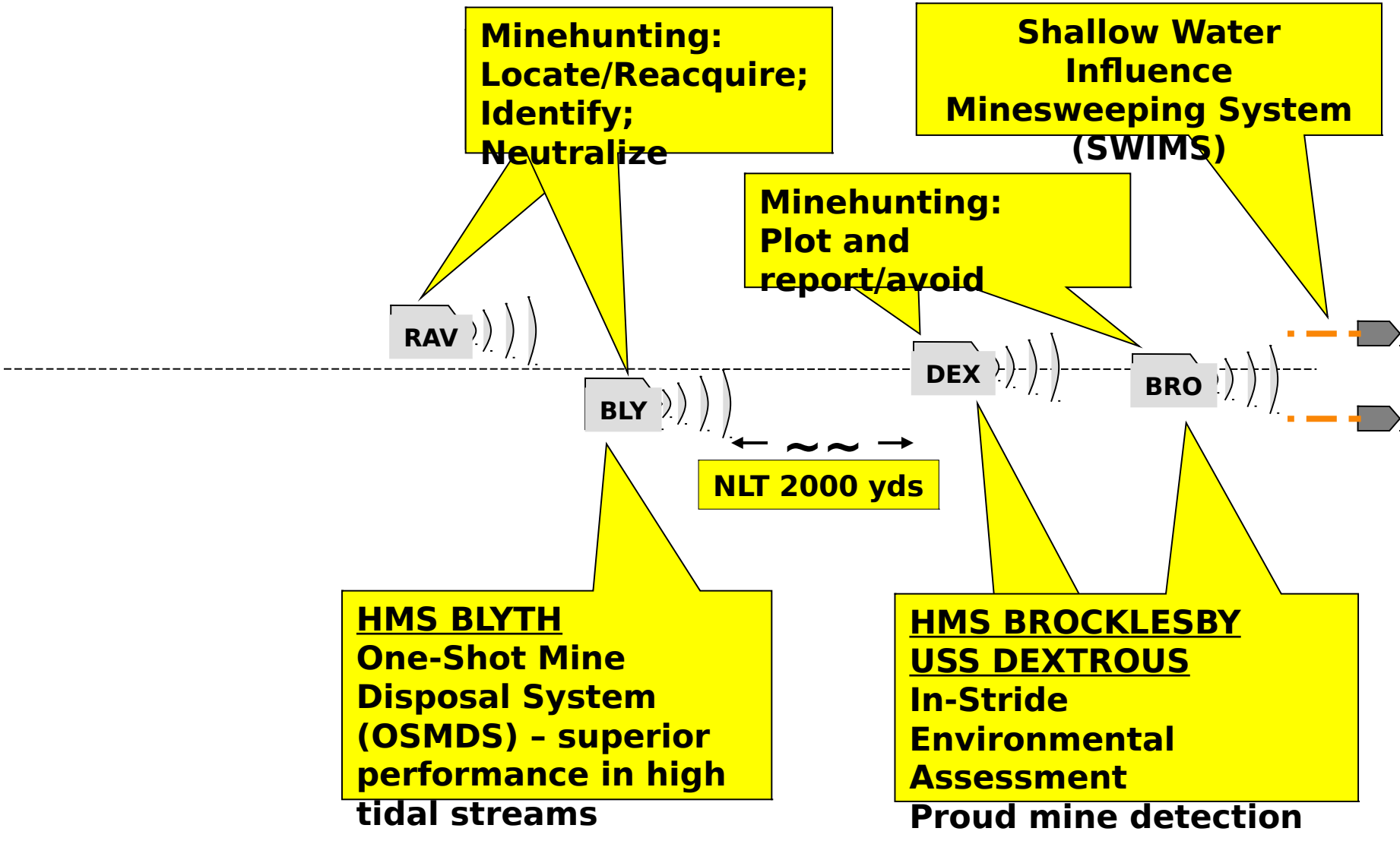
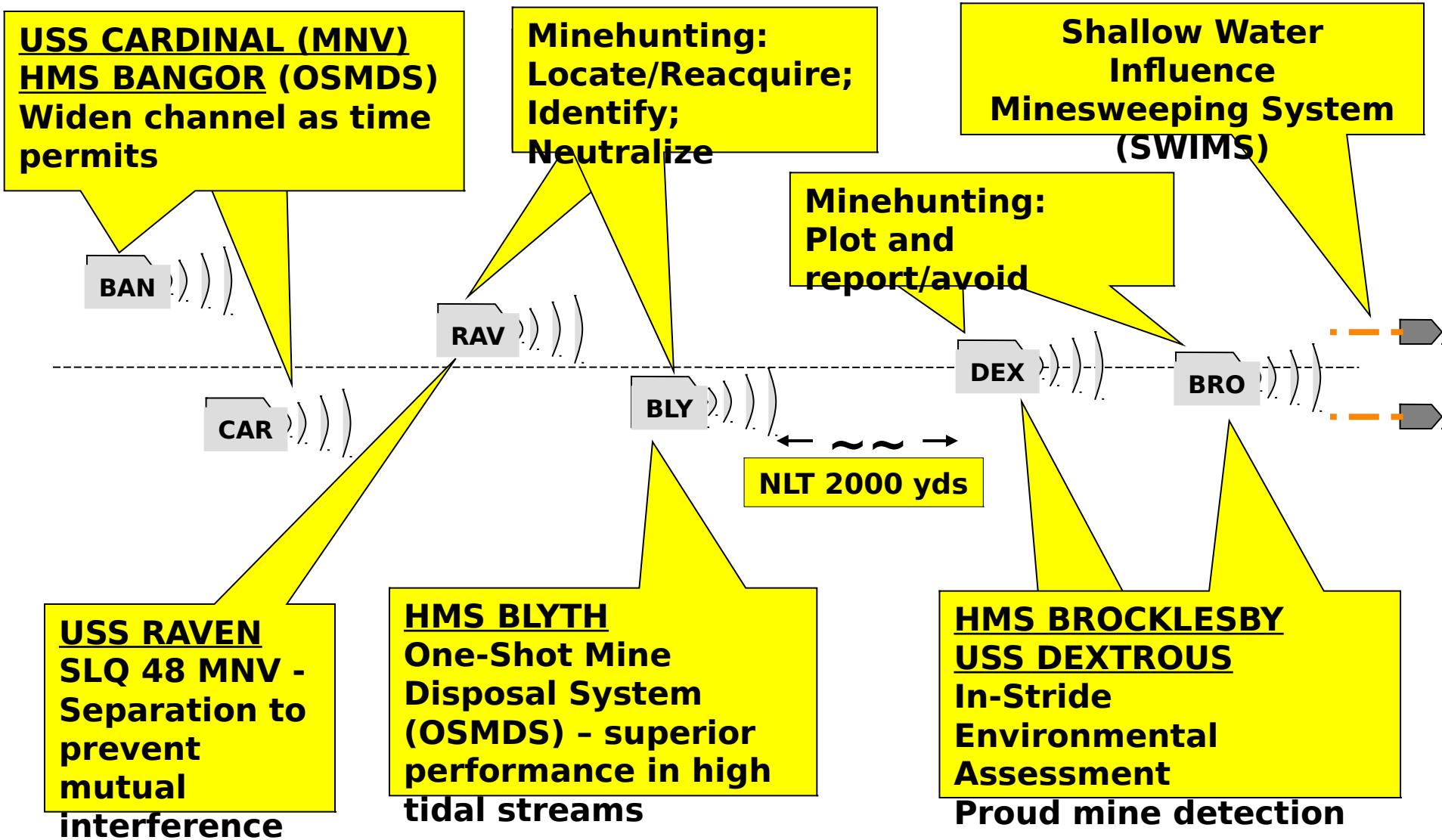


SMCM Scheme of Maneuver in KAA



AMCM Totals

- **AQS-14A Missions: 16**
  - Tow Time: 35.4 Hours
  - PMA Hours: 24.1
  - Contacts Generated: 53
- **MK 106 Missions: 13**
  - Tow Time: 30.3 Hours
- **VOD Missions: 53**
- **Total Flight Hours: 382**

SMCM Totals

- **Total Time on Task: 992 Hou**
- **Contacts Generated: 347**
- **Contacts Neutralized: 78**
  - **By Divers: 19**
  - **By MNV / MDV: 59**

QUESTIONS?